the bulldozer had done the basic shaping of the field, a new member of the 'han' was hired to finish the pounding of the paddy walls. He was paid ¥900 for six days' work, and was required to provide his own lunch. His employer had spent the first year after the war in Hokkaido, working for no money but receiving one 'shō' (3.18 pints) of rice a day. Later he rented a horse and cart from its owner at ¥60 a day and pocketed anything above that amount that he earned. During planting and harvest season he worked in the rice fields.

Horses are rented out by their owners to other people, but when a cow is rented the owner's services are always included. No farmer trusts anyone else with his cow. A man-and-cow hire out for ¥250-300 a day, depending on the distance they must travel. A horse is most often rented to pull the sweep of a rotary sugar-press, and is paid according to the amount of juice of black sugar produced. Various prices are quoted. ¥100 is paid for each 'chō' (100 kin, or 132 pounds) of black sugar produced. One farmer charges for the use of his horse a flat rate of ¥1 for each gallon of juice squeezed. Another charges ¥60 for 50 gallons of juice if the renter lives in Nanahan or close by, and ¥70 if he lives farther away. Horses were scarce the first year after the war, and fifteen men together pulled the sweeps of the rotary presses.

Buying of Labor and Services Many times farmers have need of a great amount of labor in a short period of time. Then they are most likely to call upon the services of the young people's group, the 'seinendan'. One Nanahan farmer in 1952 had this group make a paddy field for him from a dry field. In 1953 another farmer had the group make a 300 'tsubo' dry field for him out of 'arechi', or war-destroyed land. The 'seinendan' also hires its members out to work for people who need help in the busy season. The following daily wage rates were quotes: women and new members, ¥40; men of 18 and 19 years, ¥50; and men of 20 years and above, ¥60.

Abolition of the stringent Japanese regulations compelling farmers to raise sugar has resulted in the reconversion of many sugar fields to rice paddies. At first this was done exclusively by hand labor, but now bulldozers are more in favor. One farmer had 420 'tsubo' of dry land converted into paddy at a total cost for bulldozer leveling of ¥6,300. The rate for machine and operator was ¥600 an hour. The farmer owns 450 tsubo more of paddy, which provides rice for one meal a day. With this newly-converted field he plans to have his family eat rice twice daily. Labor charges for finishing the new paddy will run about ¥4,000, according to estimate.

One of his relatives is a repatriate from the hemp-growing colony at Davao, in the Philippines. This man bought land from a villager who was dissatisfied with country life, and hired a bulldozer to convert it to paddy. For conversion of 816 tsubo he paid bulldozer charges of ¥12,000 and ¥8,000 additional for labor. He had bought the dry land ('hatake') originally for ¥65 per tsubo.

About the only other service regularly engaged is the hulling and polishing of rice. Nanahan people take their threshed rice to a neighboring village where there is a 'seimaisho' (rice-cleaning mill), and pay only cash for the service. They return home with the polished rice and the bran, or

'nuka'. The latter is fed to pigs, cows, and chickens. The rice polisher keeps the hulls (mumigara), but the farmers have free access to the hull pile should they want to use it for stuffing pillows. People in Kanegusuku do not usually pay in cash, but allow the miller to keep about six percent of the polished rice as multure. 445 [437]

Exchange of Services In order to lessen the amount of money used in transactions, rural folk resort to exchange of labor as much as possible. However, the exchange is based upon fairly rigorous ideas of reciprocity, and a person who has been helped is expected fully to return the favor. A Nanahan man built a house with a tin roof---the only one in the village---with the aid of his wife's brother, who was a carpenter. In return he spent a greater number of days aiding his brother-in-law in construction of a new house---paying back more days because of his comparative lack of skill. People envy the carpenter, who did not finish high school, but attended a four-month carpentry school instead. "He now makes more than a high-school graduate, and has four apprentices working for him." 476 [437] [463]

Okinawan youths very early learn the patterns expected in cooperative labor. The custom of iimarū is one of teen-aged boys' going around in a group to work the fields of the father of one of the boys, and moving on in turn to the fields of the other fathers. [383]

Some loosening of patterns of use of horse-drawn sugar mills was recorded. For instance, during the prewar period the dominant family in Nanahan had monopolized one particularly well-located press and boiling shed. Now they share its use with all the families living in the valley where the dominant family's 'honke' is located. [178] [249]

In Yamada mutual assistance through exchange of labor is called yiisē. For example, a farmer who wants to transplant rice gets help from among his relatives. One person comes from each family that can spare one, with the assurance that it will receive one person in return. If the labor cannot be returned for transplanting, the people owing a day may fill in with work on a dry field or aid in building a new house, and so forth. Thatching a roof with kaya grass is also yiisē, but it partakes somewhat of the nature of a 'moai', or mutual loan group. People from the whole village may come for this. They bring bundles of grass---one, two or three---and the amount is written down so that the same amount may be returned when that person's turn comes. The similarity to 'moai' may be only in the fact that there is a written record. [452]

The probationary adoption of a 'yōshi' may be considered a form of exchange of services. A man without an heir may take into his house a nephew, say the third son of his brother, with the intention of adopting him should the boy be serious and hard-working. If the boy should not prove amenable to the arrangement---one boy said, "I stayed with my uncle two years, but left because I wanted to get an education"---his labor is considered to have paid for the expense of keeping him. [597]